

ABSTRACT

A method and an apparatus are provided for interacting with targeted tissue of a patient. The apparatus comprises a central control module, a satellite module, and a lead. The satellite module comprises a processor, a communication module, a switching module, a memory, a sense amp, and a A/D converter. The apparatus is adapted for subcutaneous implantation. The central control module is coupled to the satellite module. The lead is coupled to the satellite module. A programming word comprising information to be sent to the satellite module is provided. The programming word is converted into identifiable groups of pulses corresponding to bits of the programming word. The identifiable groups of pulses are sent to the satellite module. The identifiable groups of pulses are converted to information for providing a therapy to the patient. The energy from the identifiable groups of pulses is stored to power the satellite module.